

SEQUENCE LISTING

<110> WEI, Ming-Hui

<120> ISOLATED HUMAN TRANSPORTER PROTEINS,
NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
AND USES THEREOF

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 275 280 285
 Thr Leu Gln Phe Tyr Val Pro Val Asn Ile Val Glu Pro Phe Val Arg
 290 295 300
 Ser His Phe Asp Thr Thr Arg Ala Lys Asp Leu Ser Ala Thr Val Leu
 305 310 315 320
 Arg Val Val Leu Val Thr Phe Thr Phe Leu Leu Ala Thr Cys Ile Pro
 325 330 335

Asn Leu Gly Ser Ile Ile Ser Leu Val Gly Ala Val Ser Ser Ser Ala
 340 345 350
 Leu Ala Leu Ile Ala Pro Pro Ile Ile Glu Val Ile Thr Phe Tyr Asn
 355 360 365
 Val Gly Tyr Gly Arg Phe Asn Trp Met Leu Trp Lys Asp Val Leu Ile
 370 375 380
 Leu Ile Phe Gly Leu Cys Gly Phe Val Phe Gly Thr Trp Ala Ser Leu
 385 390 395 400
 Ala Gln Ile Leu

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 <211> 403
 <212> PRT
 <213> Caenorhabditis elegans

<400> 6
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 35 40 45
 Cys Leu Ile Cys Leu Tyr Cys Met Arg Gln Val Val Phe Ala Ala His
 50 55 60
 Phe Val Cys Asn Arg Asn Gly Arg Asp Leu Ile Asp Tyr Ala Asn Ile
 65 70 75 80
 Met Arg Gly Ala Val Glu Met Gly Pro Pro Trp Ile Lys Arg Asn Gly
 85 90 95
 Tyr Phe Phe Lys Gln Leu Val Asn Val Asn Met Phe Ile Ser Gln Leu
 100 105 110
 Gly Phe Cys Cys Val Tyr Phe Val Phe Met Ala Asp Asn Leu Glu Asp
 115 120 125
 Phe Phe Asn Asn Asn Thr Ser Ile His Leu Ser Lys Ala Val Trp Met
 130 135 140
 Leu Leu Leu Leu Ile Pro Met Leu Ser Ile Cys Ser Ile Arg Arg Leu
 145 150 155 160
 Ser Ile Leu Ala Pro Phe Ala Met Ala Ala Asn Val Val Tyr Val Val
 165 170 175
 Ala Val Ala Val Val Leu Phe Phe Phe Leu Ser Asp Leu Arg Pro Ile
 180 185 190
 Ser Ser Leu Pro Trp Phe Gly Lys Ala Thr Asp Leu Pro Leu Phe Phe
 195 200 205
 Gly Thr Val Met Phe Ala Phe Glu Gly Val Ala Val Ile Met Pro Ile
 210 215 220
 Glu Asn Arg Met Gln Ser Pro His Ala Phe Ile Ser Trp Asn Gly Val
 225 230 235 240
 Leu Asn Ser Ser Cys Leu Val Val Leu Ala Ile Phe Ser Val Thr Gly
 245 250 255
 Phe Tyr Gly Tyr Leu Ser Leu Gly Asn Asp Val Lys Asp Thr Ala Thr
 260 265 270
 Leu Asn Leu Pro Met Thr Pro Phe Tyr Gln Thr Ile Lys Leu Met Phe
 275 280 285
 Val Ala Cys Ile Met Ile Ser Tyr Pro Leu Gln Phe Tyr Val Pro Met
 290 295 300
 Glu Arg Ile Glu Lys Trp Ile Thr Arg Lys Ile Pro Val Asp Lys Gln

305 310 315 320
 Thr Leu Tyr Ile Tyr Ile Ala Arg Tyr Ser Gly Val Ile Leu Thr Cys
 325 330 335
 Ala Ile Ala Glu Leu Ile Pro His Leu Ala Leu Phe Ile Ser Leu Ile
 340 345 350
 Gly Ala Phe Ser Gly Ala Ser Met Ala Leu Leu Phe Pro Pro Cys Ile
 355 360 365
 Glu Leu Leu Thr Ser Tyr Ala Lys Asn Glu Leu Ser Thr Gly Leu Trp
 370 375 380
 Ile Lys Asn Ile Val Leu Leu Thr Phe Ala Phe Ile Gly Phe Thr Thr
 385 390 395 400
 Gly Thr Tyr

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 Thr Asp Val Ser Pro Glu Glu Ser Pro Ser Glu Gly Leu Asn Asn Leu
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 Ser Ser Pro Gly Ser Tyr Gln Arg Phe Gly Gln Ser Asn Ser Thr Thr
 35 40 45
 Trp Phe Gln Thr Leu Ile His Leu Leu Lys Gly Asn Ile Gly Thr Gly
 50 55 60
 Leu Leu Gly Leu Pro Leu Ala Val Lys Asn Ala Gly Ile Val Met Gly
 65 70 75 80
 Pro Ile Ser Leu Leu Ile Ile Gly Ile Val Ala Val His Cys Met Gly
 85 90 95
 Ile Leu Val Lys Cys Ala His His Phe Cys Arg Arg Leu Asn Lys Ser
 100 105 110
 Phe Val Asp Tyr Gly Asp Thr Val Met Tyr Gly Leu Glu Ser Ser Pro
 115 120 125
 Cys Ser Trp Leu Arg Asn His Ala His Trp Gly Arg Arg Val Val Asp
 130 135 140
 Phe Phe Leu Ile Val Thr Gln Leu Gly Phe Cys Cys Val Tyr Phe Val
 145 150 155 160
 Phe Leu Ala Asp Asn Phe Lys Gln Val Ile Glu Ala Ala Asn Gly Thr
 165 170 175
 Thr Asn Asn Cys His Asn Asn Glu Thr Val Ile Leu Thr Pro Thr Met
 180 185 190
 Asp Ser Arg Leu Tyr Met Leu Ser Phe Leu Pro Phe Leu Val Leu Leu
 195 200 205
 Val Phe Ile Arg Asn Leu Arg Ala Leu Ser Ile Phe Ser Leu Leu Ala
 210 215 220
 Asn Ile Thr Met Leu Val Ser Leu Val Met Ile Tyr Gln Phe Ile Val
 225 230 235 240
 Gln Arg Ile Pro Asp Pro Ser His Leu Pro Leu Val Ala Pro Trp Lys
 245 250 255
 Thr Tyr Pro Leu Phe Phe Gly Thr Ala Ile Phe Ser Phe Glu Gly Ile
 260 265 270
 Gly Met Val Leu Pro Leu Glu Asn Lys Met Lys Asp Pro Arg Lys Phe
 275 280 285

Pro Leu Ile Leu Tyr Leu Gly Met Val Ile Val Thr Ile Leu Tyr Ile
 290 295 300
 Ser Leu Gly Cys Leu Gly Tyr Leu Gln Phe Gly Ala Asn Ile Gln Gly
 305 310 315 320
 Ser Ile Thr Leu Asn Leu Pro Asn Cys Trp Leu Tyr Gln Ser Val Glu
 325 330 335
 Leu Leu Tyr Leu Gly Gly Ile Cys Leu Thr Tyr Pro Leu Gln Phe Tyr
 340 345 350
 Val Ser Ala Lys Ile Ile Val Pro Val Ile Val Ser Trp Val Cys Lys
 355 360 365
 Cys Cys Thr Leu Met Val Asp Leu Gly Ile Gly Ser Ala Met Leu Cys
 370 375 380
 Lys Thr Cys Ile Leu Ala Ile Leu Ile Pro Arg Leu Asp Leu Val Ile
 385 390 395 400
 Ser Leu Val Gly Ser Val Ser Ser Ser Ala Leu Ala Leu Ile Ile Pro
 405 410 415
 Pro Leu Leu Glu Val Thr Thr Phe Tyr Ser Glu Gly Met Ser Pro Leu
 420 425 430
 Thr Ile Phe Lys Asp Ala Leu Ile Ser Ile Leu Gly Phe Val Gly Phe
 435 440 445
 Val Val Gly Thr Tyr Glu Ala Leu Tyr Glu Leu Ile Gln Pro Ser Asn
 450 455 460
 Ala Pro Ile Phe Ile Asn Ser Thr Cys Ala Phe Ile
 465 470 475